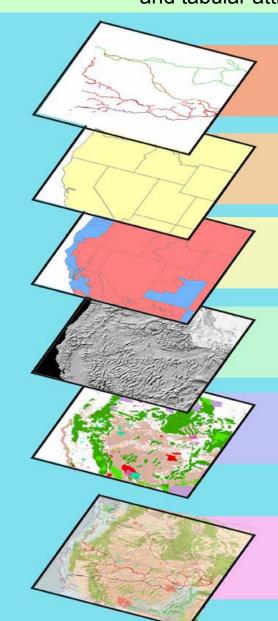


Interagency Trails Tabular & Geospatial Attributes

These slides represent a conceptual picture of the attributes that are included in the Interagency trails data standard. It is not intended to tell an organization how to implement the data standards in their database.

Example Use of Thematic Map Layers

This is one of several representations on how trail geospatial and tabular attributes can be organized and integrated.



Layer: Trails

Map Use: Depicts Trail geoometry including related attributes from facilities

Attributes: NAME, NUMBER, SEGMENT, STATUS, LENGTH, ...

Represenation: Points and lines

Layer: State Boundaries

Map Use: To depict State and County Boundaries

Attributes: AREA, STATE_NAME, STATE_FIPS, SUBREAGION, ...

Represenation: Points, Lines, and Polygons

Layer: GeoPolitical

Map Use: To depict Congressional Districts

Attributes: NAME, PARTY, DISTRICTID, STFIPS, STATE_ABBR

Represenation: Points, Lines, and Polygons

Layer: Slope (Averaged)
Map Use: To depict surface slope

Attributes: SLOPE PERCENTAGE

Represenation: Raster Data

Layer: Federaly Owned Lands

Map Use: Location and area of Federal Lands

Attributes: FEATURE1, FEATURE 2, AGBUR, NAME1, NAME2, NAME3, ...

Represenation: PointS, Lines, and Polygons

Layer: Composite

Map Use: To depict how trail attributes maye be queried to show

a given segment

Attributes: All above

Represenation: Points and Lines

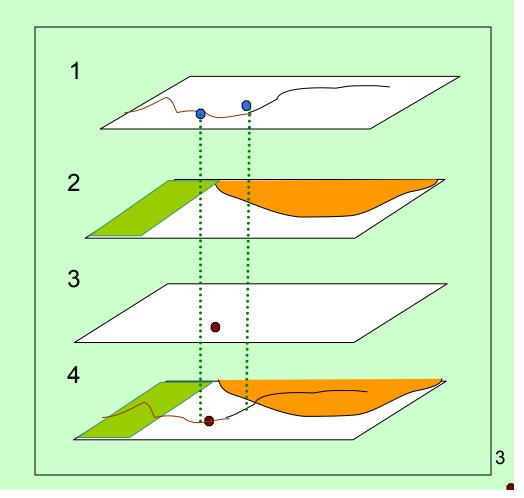
Geospatial "Cookie Cutter"

This is one example on how thematic layers can be used to find trail information through relationships on geospatial data layers. By 'using a cookie cutter' one can find tabular and geospatial data related to a trail.

Below, the top layer has the trail name, number & condition. The 2nd layer the county & state, the 3rd layer the visitor center. The bottom layer is the combination of the other 3 layers so one can gather information, such as: "What facilities are along the 'X' trail segment reside in 'Y' county?" or "What trail, if any, is Facility F on?"

Sample Layers

- 1. Trail
- Number, Name, Condition
- 2. State Boundaries
- County, State
- 3. Facility •
- Visitor Center Name, Location, Visitor Center Activities
- 4. Composite or Viewed layer (Combined layers 1-3 for analysis)



Conceptual **Trail Attribute** Relationships

This conceptual diagram shows the relationship between attributes: it is not intended to show how to implement the standards

Related to Land Agency Admin Org

Geospatial Component. single value per trail or segment

County State

Congressional District Municipality

Right of Way Visitor Center Name &

Location

Visitor Facility Multi-value **Activities** Facility Type

Trail Info Single Value Attributes

Trail Name

Trail Number

Trail Status

Trail Length Trail Surface

Managing Agency

Managing Org Jurisdiction

Trail System

Prmy Trail Maintainer

Trail Class

Designed Use

Managed Use

Motorized Prohibited

Accessibility Status

Historic Significance

5 Cost Attributes

Trail Condition

NHT (Type of Site, Trail Admin, Auto Surface, Certification, Condition, High Potential, Public Use, Site Name, Site Number, NRHP Property Catalog)

Single attribute value for each trail and/or segment attribute listed. The agency database design determines in which table(s) to store geospatial and tabular data

Multi-Value **Attributes** Land Use Plan

Geospatial

if no geospatial

if no geospatial

Special Mngt Area

geolocation identifiers

Trail Segment Info Single Value Attributes

Trail Name Trail Number Trail Status Trail Length Trail Surface Trail Class Accessibility Status Trail Condition NHT attributes

Information for Segment optional; the agency determines the database design

Multi-Value Attributes

Shared System Managed Use **Prohibited Use** Natl Trail Designation NHT Type of Route NRHP Criteria

Mutli-value attributes for each trail. The agency database design determines in which table(s) to store geospatial and tabular data